

U.S. Patent Application Serial No. 10/709,435
Response filed July 19, 2005
Reply to OA dated April 19, 2005

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1 Claim 1 (currently amended): A probe card comprising:

2 a base plate; and

3 a probe being a member in a shape of a half circle arc, formed on and supported at one end
4 thereof by a surface of the base plate and having a top portion located at almost the center of the
5 probe serving as a contact surface for contacting with an electrode of a measurement objective
6 wherein

7 the probe has a first quarter circle arc portion which is supported at one end thereof by the
8 base plate and a second quarter circle arc portion which is connected to the other end of the first
9 quarter circle arc portion and a little shorter than the first quarter circle arc portion, and the top
10 portion of the probe is brought into contact with an electrode of the measurement objective and
11 elastically deformed and thereby a distal end of said second quarter arc portion is brought into
12 contact with said base plate and slides.

U.S. Patent Application Serial No. 10/709,435
Response filed July 19, 2005
Reply to OA dated April 19, 2005

1 Claim 2 (previously presented): A probe card according to claim 1, wherein a projected
2 contact terminal is provided at the top portion thereof.

1 Claim 3 (previously presented): A probe card according to claim 1, wherein the distal end
2 portion of the second quarter circle arc portion thereof is spherical.

1 Claim 4 (previously presented): A probe card according to claim 1, wherein coating is
2 applied on the distal end surface of the distal end portion of the second quarter circle arc portion.

1 Claim 5 (previously presented): A probe card according to claim 1, in which a material
2 necessary for raising a Young's modulus is incorporated.

Claim 6 (canceled).

1 Claim 7 (previously presented): A probe card according to any of claims 1 to 5, wherein
2 coating is applied on a portion of a surface of the base plate in contact with the distal end surface of
3 the second quarter circle arc portion.

U.S. Patent Application Serial No. 10/709,435
Response filed July 19, 2005
Reply to OA dated April 19, 2005

1 Claim 8 (previously presented): A probe card according to any of claims 1 to 5, wherein a
2 reinforcing member with an elasticity higher than the probe and is provided integrally with the probe
3 on a surface thereof facing the base plate along the length direction.

1 Claim 9 (previously presented): A probe card according to any of claims 1 to 5, wherein a
2 reinforcing member with an elasticity higher than the probe is provided between the base plate and
3 a surface of the probe on the other side thereof from the top portion thereof.

* * * *